

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316445

Luminaire Tested: **GAN-SA1C-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7085 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

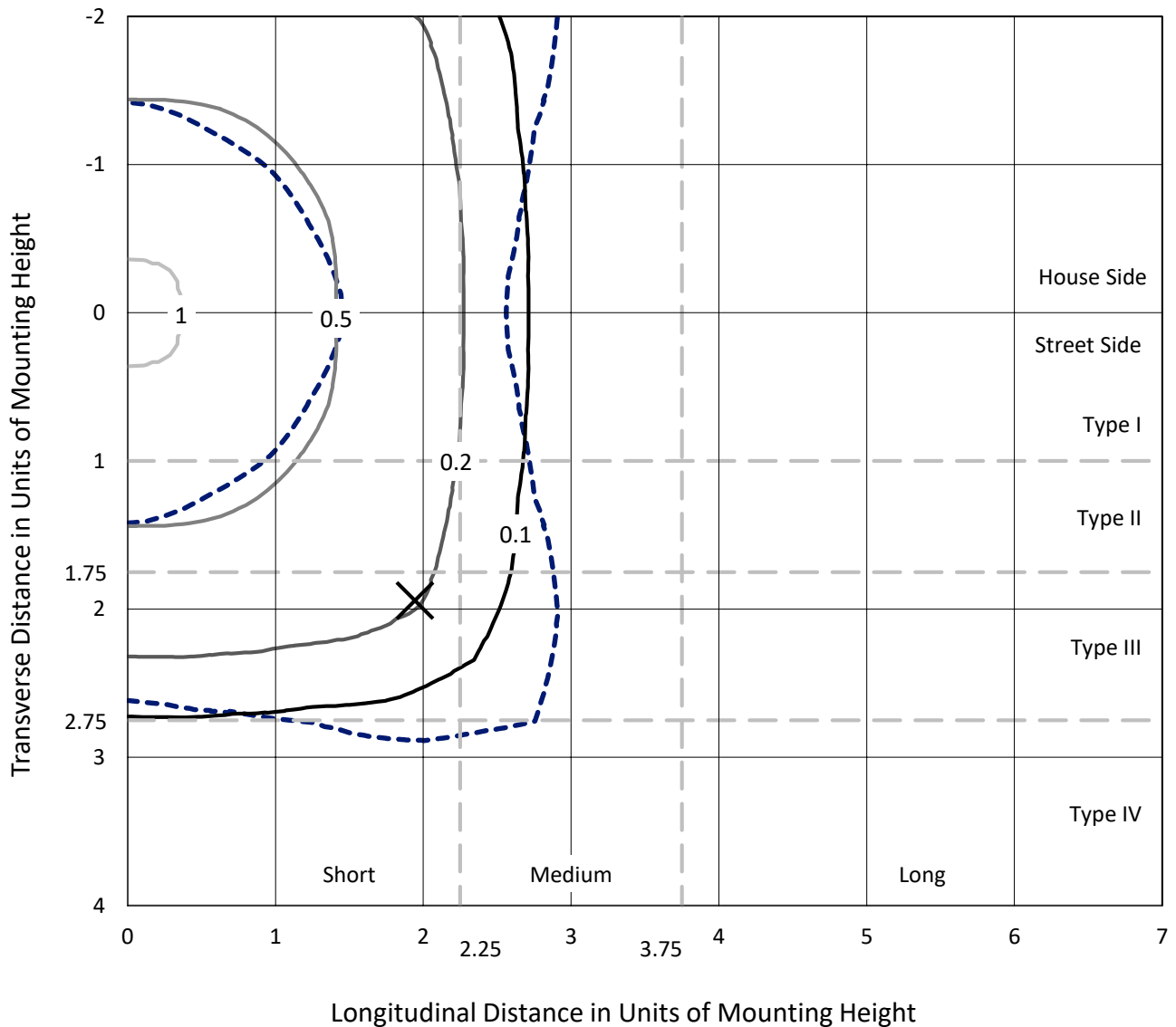
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

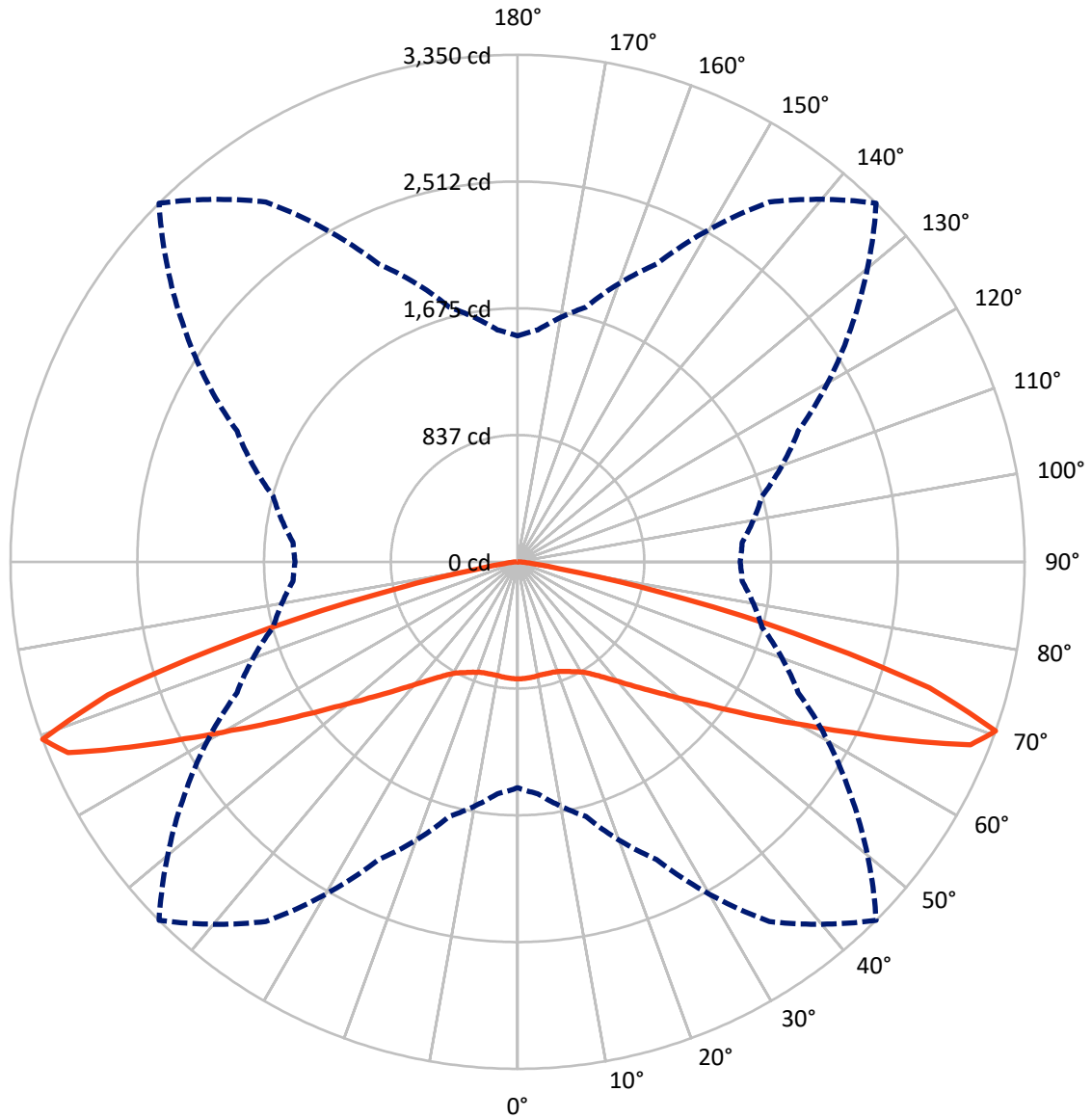
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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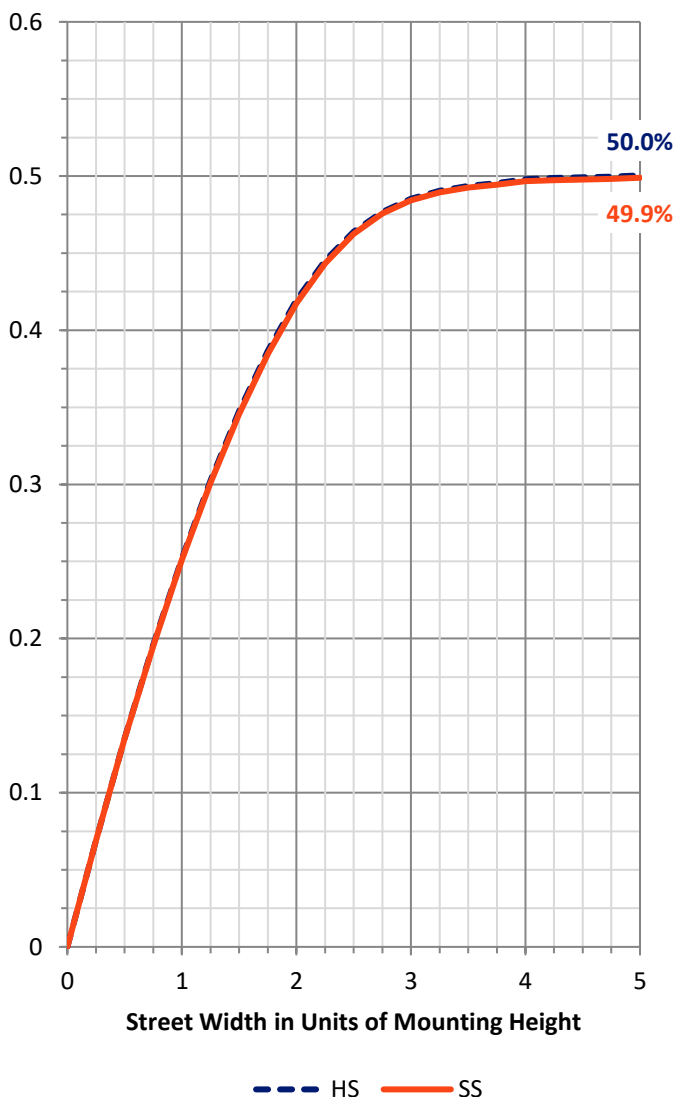
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3542.5	0.0	3542.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3542.5	0.0	3542.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7085.0	0.0	7085.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.3	1.0
10°-20°	215.1	3.0
20°-30°	366.3	5.2
30°-40°	580.9	8.2
40°-50°	945.3	13.3
50°-60°	1558.6	22.0
60°-70°	2288.0	32.3
70°-80°	1011.8	14.3
80°-90°	45.8	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7085.0	100.0
0°-180°	7085.0	100.0

**Coefficient of Utilization**



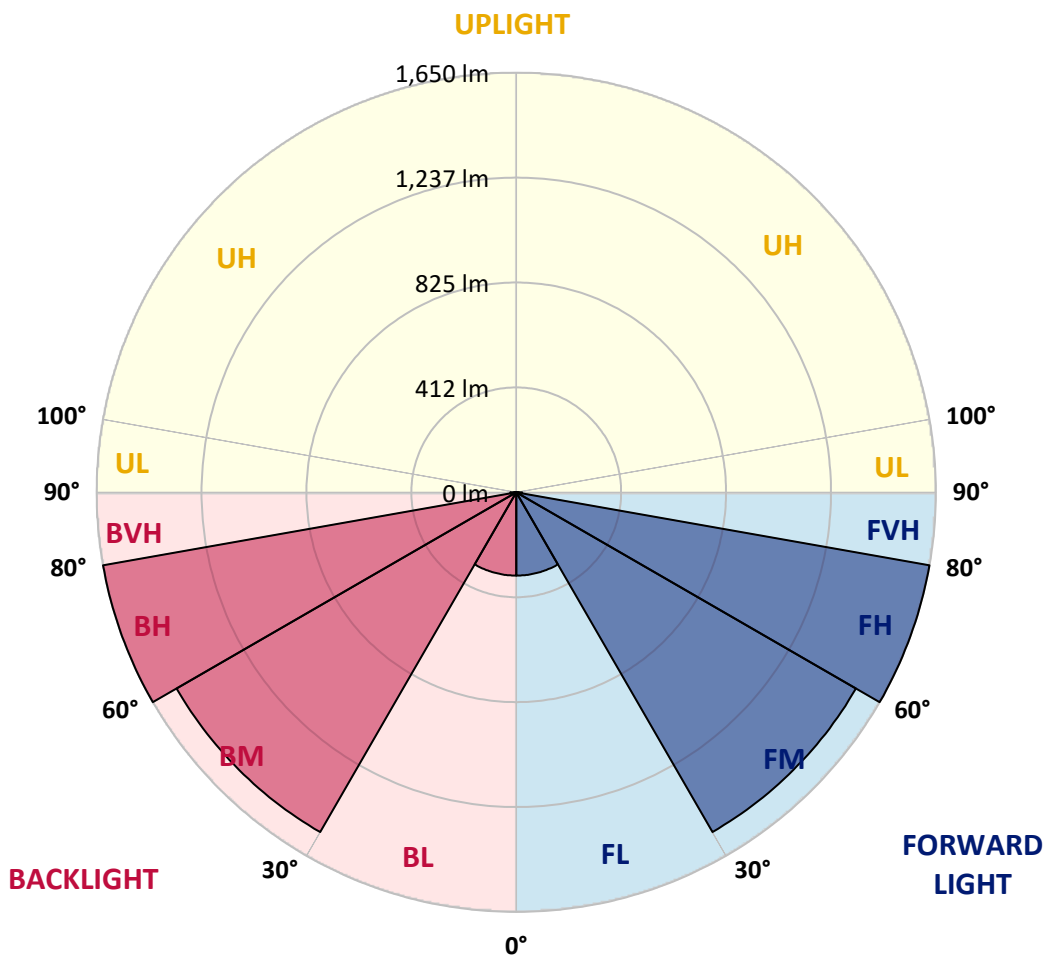
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.3	4.6			
FM (30°-60°)	1542.4	21.8			
FH (60°-80°)	1649.9	23.3			G1/1800
FVH (80°-90°)	22.9	0.3			G1/100
BL (0°-30°)	327.3	4.6	B1/500		
BM (30°-60°)	1542.4	21.8	B2/2500		
BH (60°-80°)	1649.9	23.3	B3/2500		G1/1800
BVH (80°-90°)	22.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8
2.5°	772.6	771.9	773.6	773.3	771.9	772.2	772.2	772.9	772.9	772.4	772.4
5°	769.8	769.3	771.2	771.2	769.8	770.3	770.7	771.4	771.2	770.7	770.5
7.5°	766.3	766.1	767.9	767.9	767.0	767.5	767.0	767.2	766.8	766.3	765.6
10°	760.4	760.9	762.5	763.0	763.0	763.2	762.8	761.6	760.9	760.2	759.5
12.5°	755.0	754.8	757.1	758.3	760.2	762.3	760.9	757.6	756.2	754.8	754.3
15°	751.5	751.8	754.1	756.2	759.5	763.9	762.3	757.1	754.3	752.7	752.2
17.5°	750.8	751.3	754.3	758.1	761.6	766.5	765.6	760.4	755.7	752.7	752.0
20°	752.5	752.7	757.4	762.8	768.9	773.6	771.4	765.8	759.5	754.8	753.6
22.5°	755.5	756.4	762.3	770.7	780.1	786.5	783.9	774.3	764.4	758.6	756.9
25°	765.1	765.4	773.3	784.8	796.1	803.3	800.3	786.7	774.0	767.5	765.4
27.5°	785.0	785.8	793.7	807.1	816.7	821.4	819.5	808.5	797.7	790.7	791.4
30°	813.9	814.8	823.7	838.5	844.4	845.5	845.1	839.9	830.1	820.7	821.4
32.5°	849.1	849.5	861.5	874.9	879.5	880.5	879.5	874.9	863.1	850.5	851.2
35°	894.3	895.7	907.2	920.1	923.9	925.7	924.1	918.0	905.8	893.4	892.9
37.5°	950.1	950.4	962.3	975.7	980.4	980.8	979.0	975.0	959.7	948.5	947.8
40°	1014.8	1015.8	1029.8	1044.2	1046.0	1043.9	1046.5	1044.2	1028.4	1015.5	1017.7
42.5°	1093.6	1095.7	1112.6	1126.7	1121.3	1120.1	1121.8	1122.5	1109.8	1094.1	1092.7
45°	1185.3	1187.2	1208.3	1219.5	1216.0	1208.3	1211.6	1217.2	1199.6	1180.2	1182.0
47.5°	1289.9	1294.6	1317.1	1327.6	1319.0	1308.4	1314.7	1323.2	1302.6	1278.4	1277.2
50°	1406.2	1412.1	1442.1	1456.8	1448.2	1428.7	1439.3	1444.9	1415.1	1383.9	1381.3
52.5°	1530.2	1536.1	1573.8	1604.3	1598.7	1568.5	1583.2	1577.4	1543.1	1501.2	1497.9
55°	1670.7	1673.0	1713.8	1763.1	1768.7	1746.4	1745.5	1735.9	1685.2	1636.7	1634.3
57.5°	1815.1	1816.8	1869.5	1927.7	1954.2	1954.2	1927.9	1907.5	1840.2	1783.9	1778.1
60°	1971.1	1976.9	2035.3	2114.3	2176.2	2194.5	2148.1	2092.5	2019.4	1950.7	1943.9
62.5°	2109.9	2116.7	2206.0	2323.7	2423.1	2489.7	2376.2	2285.7	2152.5	2042.3	2029.4
65°	2127.5	2145.7	2275.9	2489.0	2711.6	2844.5	2626.9	2403.9	2161.2	2008.1	1995.0
67.5°	1942.9	1973.9	2149.7	2481.5	2941.3	3226.7	2787.1	2336.4	2005.5	1836.2	1821.7
70°	1493.0	1538.0	1740.8	2170.6	2901.7	3349.8	2686.7	2045.4	1672.1	1489.9	1469.5
72.5°	819.0	837.6	1020.0	1486.4	2326.3	2846.6	2240.9	1512.4	1108.9	902.3	868.1
75°	259.8	266.4	359.2	608.2	1315.9	1885.5	1423.5	742.4	408.7	301.3	297.8
77.5°	115.4	116.1	129.9	177.5	453.3	955.3	544.5	202.1	139.3	121.7	125.7
80°	72.9	72.9	80.4	87.9	123.3	277.4	147.3	96.1	82.1	76.2	77.8
82.5°	34.9	38.7	52.3	56.3	67.8	93.3	75.5	62.8	54.9	40.8	38.0
85°	23.0	19.2	33.1	37.3	39.4	44.8	43.8	41.5	35.9	20.4	22.7
87.5°	10.3	9.8	17.1	15.7	14.8	11.3	16.9	20.9	20.2	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)